

# United States Patent and Trademark Office





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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/910,872	07/24/2001	Yasumichi Kuwayama	Q65548	4044	
759	90 02/04/2003				
SUGHRUE, MION, ZINN,			EXAMINER		
	nia Avenue, N.W.	GUSHI, ROSS N			
Washington, DC 20037-3213			ART UNIT	PAPER NUMBER	
			2833		
			DATE MAILED: 02/04/2003	DATE MAILED: 02/04/2003	

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary    Caminer   Continue   Continue		3	Application No.	Applicant(s)			
Period for Reply  AS HORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MALING DATE OF THIS COMMUNICATION.  Extensions of time may be anniable under the possibility of 37 CPR 1.35(b). In no event, however, may a riply to timey flind  If the period for reply is generally in less than thing (Q0, days, are physylial) that detailor, price and price to reply specified shows, the maximum statistory period will apply and will step to become ASANCONED (39 U. 9. 5, 133).  If the period for reply is generally show the instantion that the making date of this communication, or reply to general time the time the remained shadory period will apply and will reply to the control of the period of reply is generally the time time remained and the making date of this communication, over if timely filled, nay reduce any search placed term adjustment. See 27 CFR 1.76(b).  Status  1)  Responsive to communication(s) filled on 21 January 2003.  2a)  This action is FINAL. 2b)  This action is FINAL. 2b)  This action for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.  Disposition of Claims  4)  Claim(s) 1,2,4,6,7,9 and 10 is/are pending in the application.  4a) Of the above claim(s) is/are allowed.  5)  Claim(s) is/are allowed.  6)  Claim(s) is/are allowed.  7)  Claim(s) is/are allowed.  8)  Claim(s) is/are and 10 is/are rejected.  7)  The specification is objected to by the Examiner.  10)  The proposed drawing correction filled on is/are: a) accepted or b) objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(e).  11  The proposed drawing correction filled on is/are: a) accepted or b) objected to by the Examiner.  12  The proposed drawing correction filled on is/are: a) accepted or b) objected to by the Examiner.  13  The proposed drawing or or continue filled on isome is allowed.  14  The proposed drawing or or continue filled on			09/910.872	KUWAYAMA ET AL.			
Ross N. Gushi				Art Unit			
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A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  Eatherized of time may be missing date of this communication.  If the period for right specified above is less than thirty (30) days, a replyyetin the indiversal mailing date of this communication.  If the period for right specified above is less than thirty (30) days, a replyyetin the indiversal mailing date of this communication.  If the period for right specified above is less than thirty (30) days, a replyyetin the individual period with a period and period to reply specified above is less than thirty (30) days, a replyyetin the individual period with a period and period to reply specified above is less than the realized above the season and period to reply specified above is less than the realized date of this communication. The period of the		Th MAILING DATE of this communication app	pears on the cover sh	eet with the correspondence address			
THE MAILING DATE OF THIS COMMUNICATION.  Eletanized or time may be available under the provision of 3 CFR 1 136(s). In or event, however, may a reply be timely filed after SX (6) MOSTITIS from the realizing date of this common of 3 CFR 1 136(s). In or event, however, may a reply be timely filed after SX (6) MOSTITIS from the realizing date of this common of 13 CFR 1 136(s).  If NO period for reply is specified above, the maximum of 130 dave, as replyyithin the statisty more with the realizing date of this common of 130 dave, as replyyithin the statisty more with the presence of 130 dates of reply within the set or extended period for reply will, by adults, cause the application to become ADMODISC (2) 4.05, 3 (19).  Any reply received by this Office in the time the realizing date of this commonication, users it listely filed, many related any set of 130 dates on 130 dates on 130 dates.  Page 11 dates to reply willing the set or extended period for reply will, by adults, cause the application to become ADMODISC (2) 4.05, 3 (19).  Any reply received by the Office in the time the realizing date of this commonication, users it listely filed. The replication is the set of 130 dates of 130 dates of 130 dates of 130 dates of 130 dates.  Page 12 dates of 130 dates.  Application Papers  9			V IO OFT TO EVEN	E a MONTU(S) EDOM			
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### **DETAILED ACTION**

## Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1, 2, 4, 6, 7, and 9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Koch et al ("Koch") in view of Weisenburger.

Koch discloses an electric connecting terminal 1 capable of being connected to a flat circuit body comprising a plane portion, a pair of piercing portions 13 erected from opposite side edges of the plane portion adapted to penetrate through a coating and a conductor of the flat circuit body and fold tips thereof in such a direction as to approach each other, wherein the piercing portions include a root portion and a distal portion.

Koch does not show an internal surface of the distal portion being inclined with respect to an internal surface of the root portion so that the distal portion is tapered.

Weisenburger discloses an electric terminal 11 capable of being connected to a flat circuit body comprising a plane portion and a pair of piercing portions 15 where an internal surface of the distal portions are inclined with respect to an internal surface of the root portion so that the distal portion is tapered (see figures 4, 5, 6). At the time of the invention, it would have been obvious to taper the tips of the Koch piercing portions as taught in Weisenburger. The suggestion or motivation for doing so would have been

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to facilitate piercing of the flat circuit body as taught in Weisenburger and as is well known in the art.

Per claim 2, Weisenburger discloses the outer surface of the piercing portion as being tapered.

Per claims 4, 6, 7, 9, and 10 the Koch (and Weisenburger) first portions have a constant width in the longitudinal direction and the Weisenburger taper sections are tapered on all sides.

### Response to Arguments

Regarding applicant's after final responses and declarations, filed 1/21/03, applicant's arguments are accepted, but are most in view of the new grounds of rejection.

### Conclusion

Applicant's amendments did not necessitate the new ground(s) of rejection presented in this Office action so the action is not made final.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ross Gushi whose telephone number is (703) 306-4508. If attempts to reach the examiner by phone are unsuccessful, the examiner's supervisor, Paula A. Bradley, can be reached at (703) 308-2319. The phone number for the Group's facsimile is (703) 308-7766

rng

Roules